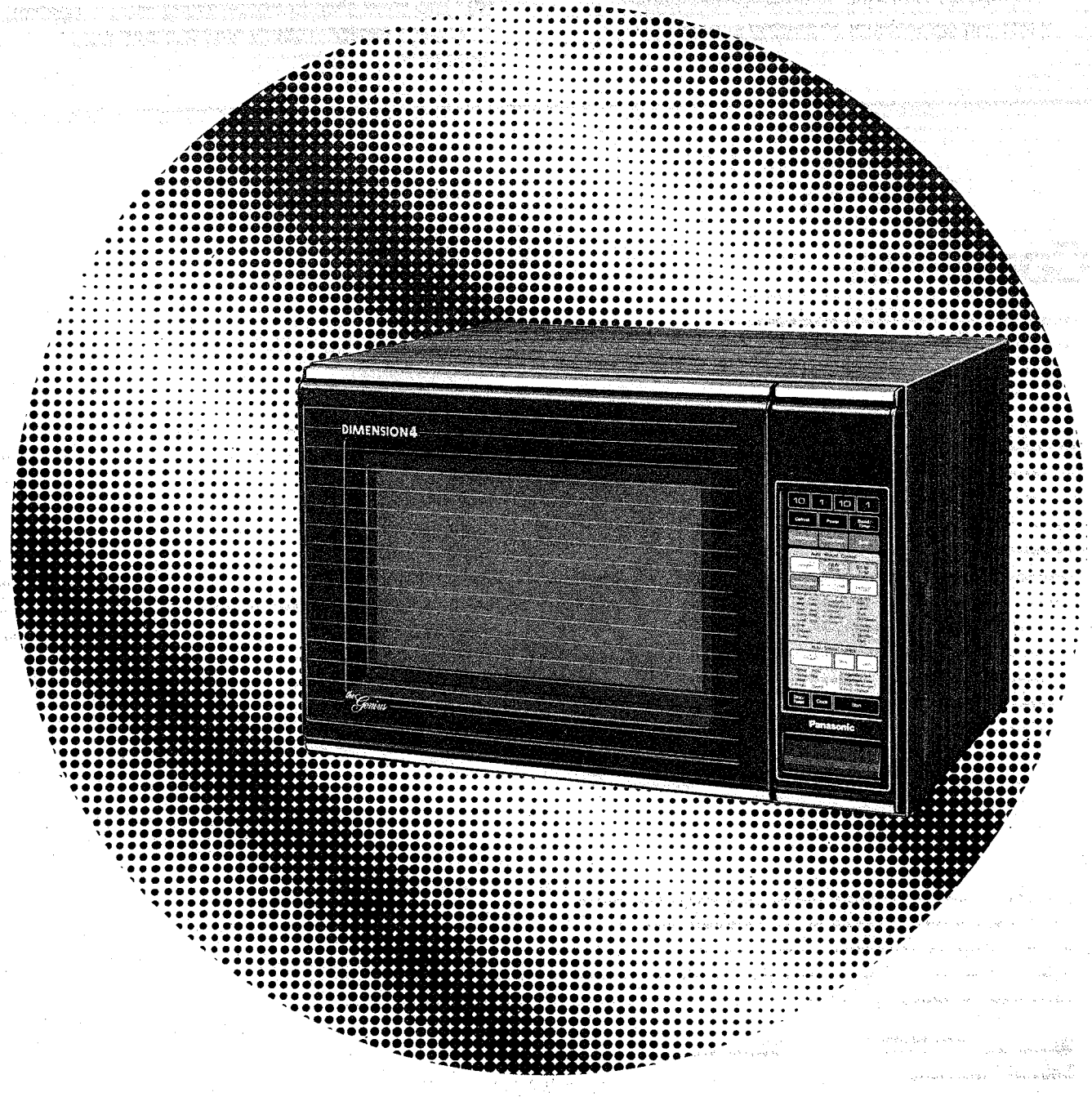
6382

Panasonic®

Operating Instructions

Microwave/Convection Oven
Model NE-9970P
700 watts



Before operating this oven, please read these instructions completely.

6382

Precautions to Avoid Possible Exposure to Excessive Microwave Energy

(a) Do not attempt to operate this oven with the door open since open-door operation can result in harmful exposure to microwave energy. It is important not to defeat or tamper with the safety interlocks.

(b) Do not place any object between the oven front face and the door, or allow soil or cleaner residue to accumulate on sealing surfaces.

(c) Do not operate the oven if it is damaged. It is particularly important that the oven door close properly and that there is no damage to the:

(1) door (bent)
(2) hinges and latches (broken or loosened)
(3) door seals and sealing surfaces

(d) The oven should not be adjusted or repaired by anyone except properly qualified service personnel.

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The serial number of this product may be found on the right side of the door opening. You should note the serial number of this oven in the space provided and retain this book as a permanent record of your purchase for future reference.

Model No. NE-9970P **Serial No.** _____
Date of Purchase _____

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Important Safety Instructions

When using electrical appliances, basic safety precautions should be followed, including the following:

WARNING—To reduce the risk of burns, electric shock, fire, injury to persons or exposure to excessive microwave energy:

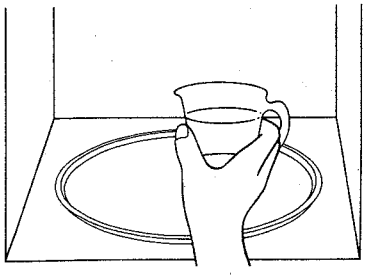
1. Read all instructions before using this appliance.
2. Read and follow the specific "PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY" found on page 2.
3. This appliance must be grounded. Connect only to properly grounded outlet. See "GROUNDING INSTRUCTIONS" found on page 4.
4. Install or locate this appliance only in accordance with the provided installation instructions. Position oven so that controls are easily accessible. Pull forward on counter if necessary to clean cabinets above.
5. Some products such as whole eggs and sealed containers—for example, closed glass jars—may explode and should not be heated in this oven.
6. Use this appliance only for its intended use as described in this manual.
7. As with any appliance, close supervision is necessary when used by children.
8. Do not operate this appliance if it has a damaged cord or plug, if it is not working properly, or if it has been damaged or dropped.
9. This appliance should be serviced only by qualified service personnel. Contact the nearest authorized service facility for examination, repair or adjustment.
10. Do not cover or block any openings on the appliance.
11. Do not use outdoors.
12. Do not immerse cord or plug in water.
13. Keep cord away from heated surfaces.
14. Do not let cord hang over edge of table or counter.
15. When cleaning surfaces of door and oven that come together on closing the door, use only mild, non-abrasive soaps or detergents applied with a sponge or soft cloth.
    See door surface cleaning instructions on page 29.
16. To reduce the risk of fire in the oven cavity:
    (a) Do not overcook food. Carefully attend appliance if paper, plastic, or other combustible materials are placed inside the oven to facilitate cooking.
    (b) Remove wire twist-ties from paper or plastic bags before placing bag in oven.
    (c) If materials inside the oven should ignite, keep oven door closed, turn oven off, and disconnect the power cord, or shut off power at the fuse or circuit breaker panel.
17. The use of accessory attachments not recommended by Panasonic may cause hazards.
18. Use extreme caution when removing tray or disposing of hot grease.
19. Do NOT touch hot surfaces. Use handles or knobs.

Save These Instructions

Operation Check

Examine the new oven for any evidence of shipping damage. Check the operation when you unpack the unit and then at any time you are not sure the oven is working properly.

1. Plug the cord into a three-prong grounded wall receptacle (120 V).
2. Place glass tray and roller ring inside the oven cavity.
3. Place a cup of water on the glass tray.



4. Close the door.
5. Choose cooking power by pressing Power Pad for HIGH power.
6. Set Time for 2 to 3 minutes and press Start Pad. (Oven light turns on. Turntable rotates.)
7. After 2 to 3 minutes, the oven will turn off. (Oven light turns off. Turntable stops. Oven beeps five times.)
8. If oven is operating normally, the water should be boiling.
   Note: If lower cooking power (example: Low) is selected, it will take a longer time to heat the water to a boil.

Installation and Grounding Instruction

Examine Your Oven
Unpack oven, remove all packing material, and examine the oven for any damage such as dents, broken door latches or cracks in the door. Notify dealer immediately if unit is damaged. Do NOT install if unit is damaged.

Registration Card
Fill out and mail preaddressed registration card.

Placement of Oven
1. Oven must be placed on a flat, stable surface. For proper operation, the oven must have sufficient air flow. Allow 3 inches of space on both sides of the oven and 1-inch of space on top of oven.
   a. Do NOT block air vents on the cabinet top. If they are blocked during operation, the oven may overheat. If the oven overheats, a thermal safety device will turn the oven off. The oven will remain inoperable until it has cooled.
   b. Do NOT place oven near a hot damp surface such as a gas or electric range.
   c. Do NOT operate oven when room humidity is too high.
2. This oven was manufactured for household use only.
3. This oven may be built into a wall cabinet, if desired, by using the proper trim kit (NE-TK95), which may be purchased from a local Panasonic dealer. Follow all installation instructions packed with kit.

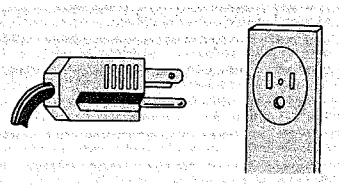
Grounding Instructions
This appliance must be grounded. In the event of an electrical short circuit, grounding reduces the risk of electric shock by providing an escape wire for the electric current. This appliance is equipped with a cord having a grounding wire with a grounding plug. The plug must be plugged into an outlet that is properly installed and grounded.

WARNING—Improper use of the grounding plug can result in a risk of electric shock.

Consult a qualified electrician or serviceperson if the grounding instructions are not completely understood, or if doubt exists as to whether the appliance is properly grounded.
If it is necessary to use an extension cord, use only a three wire extension cord that has a three blade grounding plug, and a three slot receptacle that will accept the plug on the appliance. The marked rating of the extension cord should be equal to or greater than the electrical rating of the appliance.

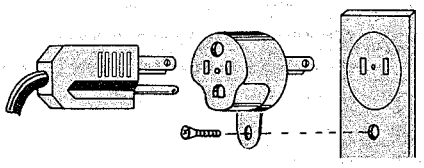
Wiring Requirements
1. The oven must be plugged into at least a 15 AMP 120 VOLT, 50/60 Hz GROUNDED OUTLET. Where a standard two-prong outlet is encountered, it is the personal responsibility and obligation of the consumer to have it replaced with a properly grounded three-prong outlet. (Fig. 1)

Fig. 1



2. A TEMPORARY CONNECTION with a two-prong adaptor may be made where LOCAL CODES PERMIT it. (Fig. 2) Unless the cover screw is grounded through the house wiring, attaching the adaptor grounding plate to the cover screw will not ground the oven. If there is any doubt that the cover screw is grounded, have it checked by an electrician.

Fig. 2



3. The oven must be on a SEPARATE CIRCUIT. No other appliance should share the circuit with the microwave oven. If it does, the branch circuit fuse may blow or the circuit breaker may trip, or the food may cook slower than times recommended in Panasonic Cookbook.

4. The VOLTAGE used must be the same as specified on this Microwave/Convection Oven (120 V). Using a higher voltage is dangerous and may result in a fire or other accident causing oven damage. Using a lower voltage will cause slow cooking. Panasonic is NOT responsible for damage resulting from the use of the oven with other than specified voltage.

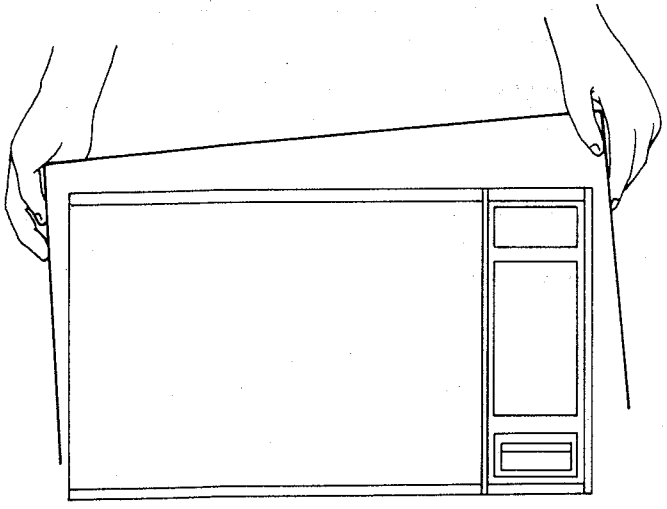
Plug In Oven
When the oven is FIRST PLUGGED IN, the colon will blink in the display window until the Clock Pad is pressed.

FOR PROPER USE OF YOUR OVEN, READ REMAINING SAFETY CAUTIONS AND OPERATING INSTRUCTIONS.

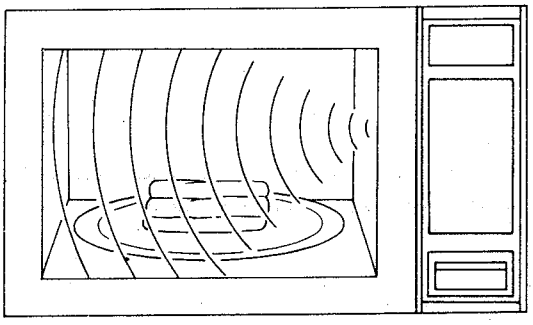
Safety Statements

General Use

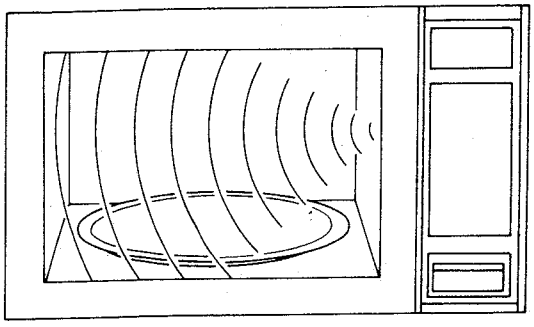
1. Do NOT attempt to tamper with or make any adjustments or repairs to door, control panel housing, safety interlocks switches or any other part of the oven. Do NOT remove outer panel from oven. Repairs should only be done by a qualified serviceperson.
2. Do NOT operate an oven empty by Microwave or Combination. The microwave energy will reflect continuously throughout the oven if no food or water is present to absorb energy.
3. If a fire occurs in the oven, touch the Stop Pad and LEAVE DOOR CLOSED. Disconnect the power cord, or shut off power at the fuse or circuit breaker panel.
4. Do NOT attempt to dry clothes, newspapers or other materials in oven. They may catch on fire.
5. Do NOT use recycled paper products, as they may contain impurities which may cause sparks and/or fires when used.
6. Do NOT use newspapers or paper bags for cooking.
7. Do NOT hit or strike control panel. Damage to controls may occur.
8. POT HOLDERS may be needed when cooking by Microwave. Heat is transferred from the hot food to the cooking container. Pot holders are needed when cooking by Broiling, Combination or Convection.
9. Do NOT store flammable materials next to, on top, or in the oven. It could be a fire hazard.
10. Do NOT use the oven without the glass ceramic tray and roller ring in place.
11. CAUTION—Door will get hot during Convection, Combination Cooking and Broiling. Please handle door carefully.



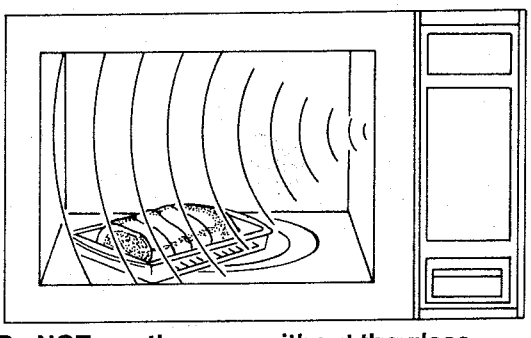
Do NOT remove outer panel from oven.



Do NOT dry clothes or newspapers.



Do NOT operate the oven empty.



Do NOT use the oven without the glass ceramic tray and roller ring in place.

Food

1. Never use your Microwave/Convection Oven for HOME CANNING. The oven is not designed to permit proper canning. Improperly canned food may spoil and be dangerous to consume. Leave canning to the proven methods of water bath or pressure canner. (See your Panasonic Cookbook for further information.)

2. COOKING TIMES given in the Panasonic Cookbook are APPROXIMATE. Factors that may affect cooking are: starting temperature, altitude, volume, size and shape of foods and utensils used. As you become familiar with the oven, you will be able to adjust for these factors.

3. It is better to UNDERCOOK RATHER THAN OVERCOOK foods. If food is undercooked, it can always be returned to the oven for further cooking. If food is overcooked, nothing can be done. Always start with minimum cooking times.

4. SMALL QUANTITIES of food or foods with LOW MOISTURE content can burn, dry out or catch on fire if cooked too long. If a fire occurs, touch the Stop Pad and leave oven door closed.

5. Do NOT boil eggs in their shell. Pressure may build up and the eggs will explode.

6. Potatoes, apples, egg yolks, whole acorn squash, sausage are examples of food with NONPOROUS SKINS. These must be pierced before cooking to prevent bursting. (See the illustrations below.)

7. POPCORN must be popped in a microwave corn popper. A microwave corn popper is available through Panasonic dealers, model number 18450. In addition, special microwave popcorn is available in some areas of the country. This popcorn pops in its own package and does not require a microwave corn popper. It may be used in this oven. If oven was used for Broiling, Combination or Convection cooking, allow oven to cool before popping microwave popcorn.

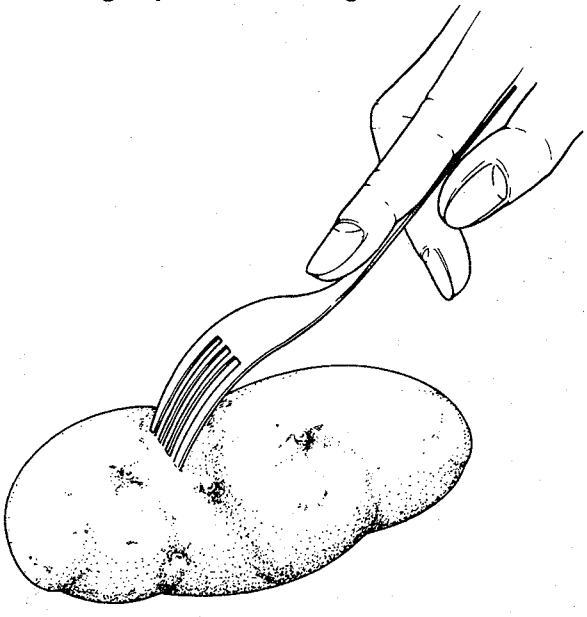
8. Do NOT attempt to deep fat fry in your oven.

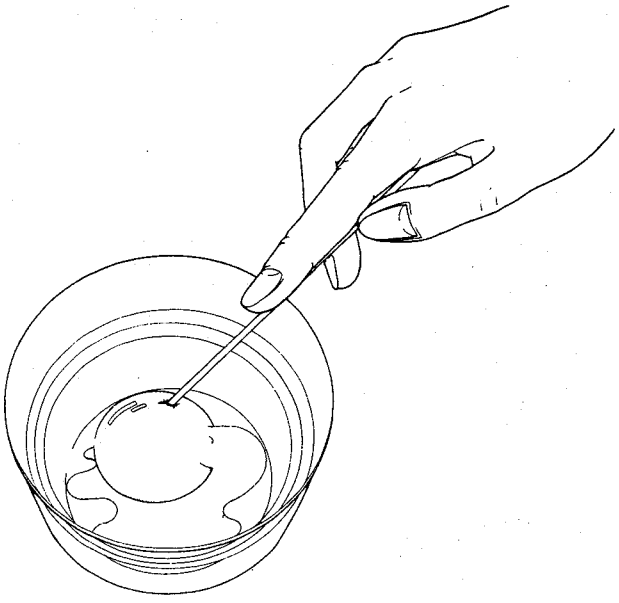
9. Use MEAT THERMOMETER to check doneness of roasts and poultry. If undercooked, return to oven and cook a few more minutes at the recommended power level. DO NOT USE A CONVENTIONAL MEAT THERMOMETER when cooking by Combination or Microwave.

10. HEATED LIQUIDS CAN ERUPT if not mixed with air. Do not heat liquids by Microwave in your Microwave/Convection Oven without first stirring.

11. Use fresh potatoes for baking, and cook until just done. The potatoes will still feel firm to the touch, but are easily pierced with a fork. Overcooking causes dehydration and may cause a fire.

Foods with NONPOROUS SKINS must be pierced before cooking to prevent bursting.





Utensils

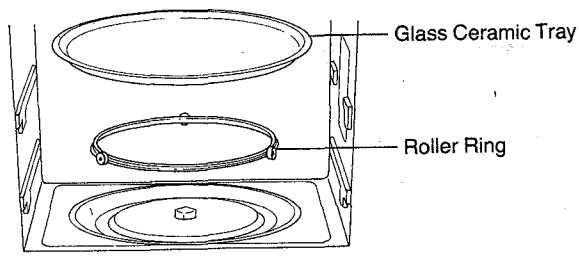
1. MICROWAVE BROWNING DISHES or GRILLS are designed for microwave cooking only. Preheating times vary depending on the size of the browning dish and food being cooked. Always follow instructions provided by the browning dish or grill manufacturer. DO NOT PREHEAT BROWNING DISH ON THE GLASS CERAMIC TRAY MORE THAN 8 MINUTES.
2. METAL CONTAINERS or dishes with metallic rims should not be used for Microwave and Combination Cooking. Arcing may occur.
3. METAL TWIST-TIES may not be used for Microwave and Combination Cooking.
4. Do NOT use SEALED JARS or NARROW NECK bottles for cooking or reheating. They may shatter.
5. Do NOT use CONVENTIONAL THERMOMETERS when cooking by Microwave or Combination. They may cause arcing.
6. Remove PLASTIC STORE WRAPS, before cooking or defrosting in the oven.
7. When cooking by Microwave or Combination and using foil, skewers, warming rack or utensils made of metal in the oven allow at least one inch of space between metal material and interior oven walls. If arcing (sparking) occurs remove metal material (skewers, etc.) and/or transfer to a non-metallic container.
8. DO NOT USE THE OVEN RACK BROILING without the Glass Ceramic Tray in place.
9. DO NOT use Oven Broiling Rack when cooking by Combination or Microwave.
10. For FURTHER INFORMATION on proper cooking utensils, refer to the Introduction in the Panasonic Cookbook.

Roller Ring

1. The ROLLER RING and oven floor should be cleaned frequently to prevent excessive noise.
2. The ROLLER RING MUST ALWAYS be used for cooking together with the Glass Ceramic Tray.

Glass Ceramic Tray

1. Do NOT operate the oven without the Glass Ceramic Tray in place.
2. Do NOT use any other Glass Ceramic Tray with this oven.
3. If Glass Ceramic Tray is hot, ALLOW TO COOL before cleaning or placing it in water.
4. Do NOT cook directly on the Glass Ceramic Tray.



Automatic Checking Mechanism

"FFFF" Display in Window:

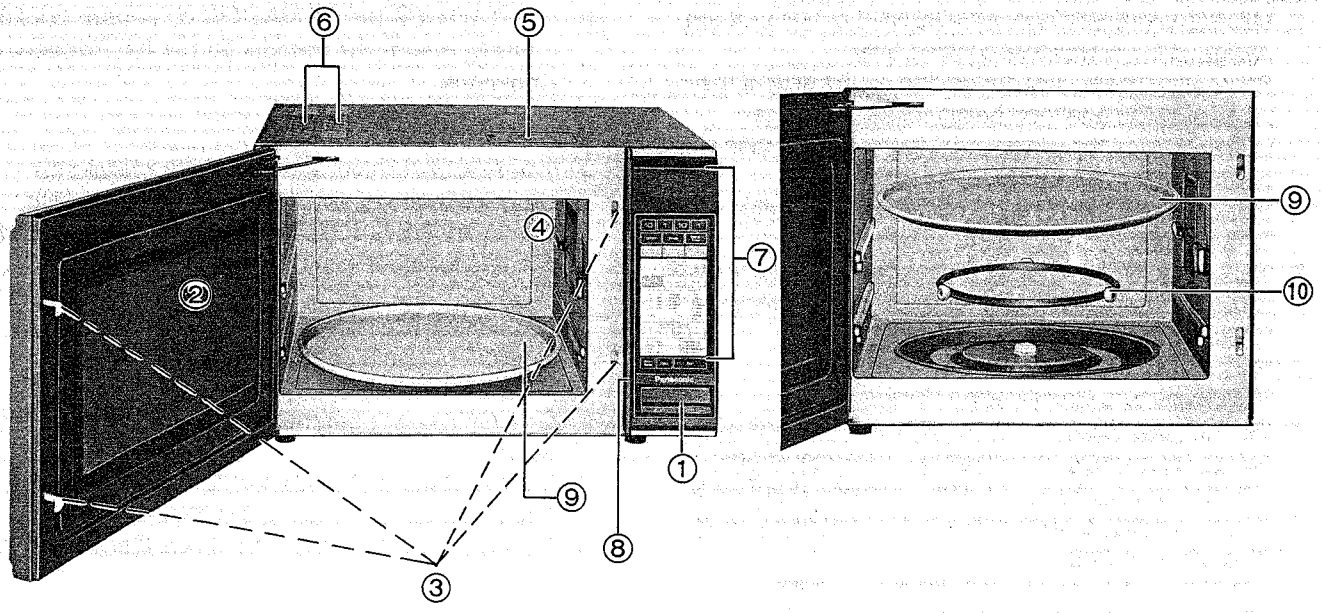
If "FFFF" appears in display window remove the plug from the AC wall outlet, wait 10 seconds and then plug the oven in again.

- If the "FFFF" indication clears, simply reset the time of day and use the oven.
- If the "FFFF" still appears, please contact the nearest MESCO authorized servicenter.

Power Failure etc.:

When the oven is not being used for cooking, the time of day will appear in the display window.
If the oven is affected by a temporary power failure or the plug is removed from electric outlet and then reinserted, the colon in the display window will blink.
To reset correct time of day, simply follow the clock set instructions. (See page 12.)

Feature Diagram



① Door Release Button
Push button to open door.

② Oven Window

③ Door Safety Lock System
Before any cooking function can begin, oven door must be securely shut.

④ Oven Light
Will turn on whenever the door is opened or during cooking.

⑤ Oven Light Cover
Allows easy access to replace oven light.
See page 29.

⑥ Oven Air Vents
Never block air vents during cooking.

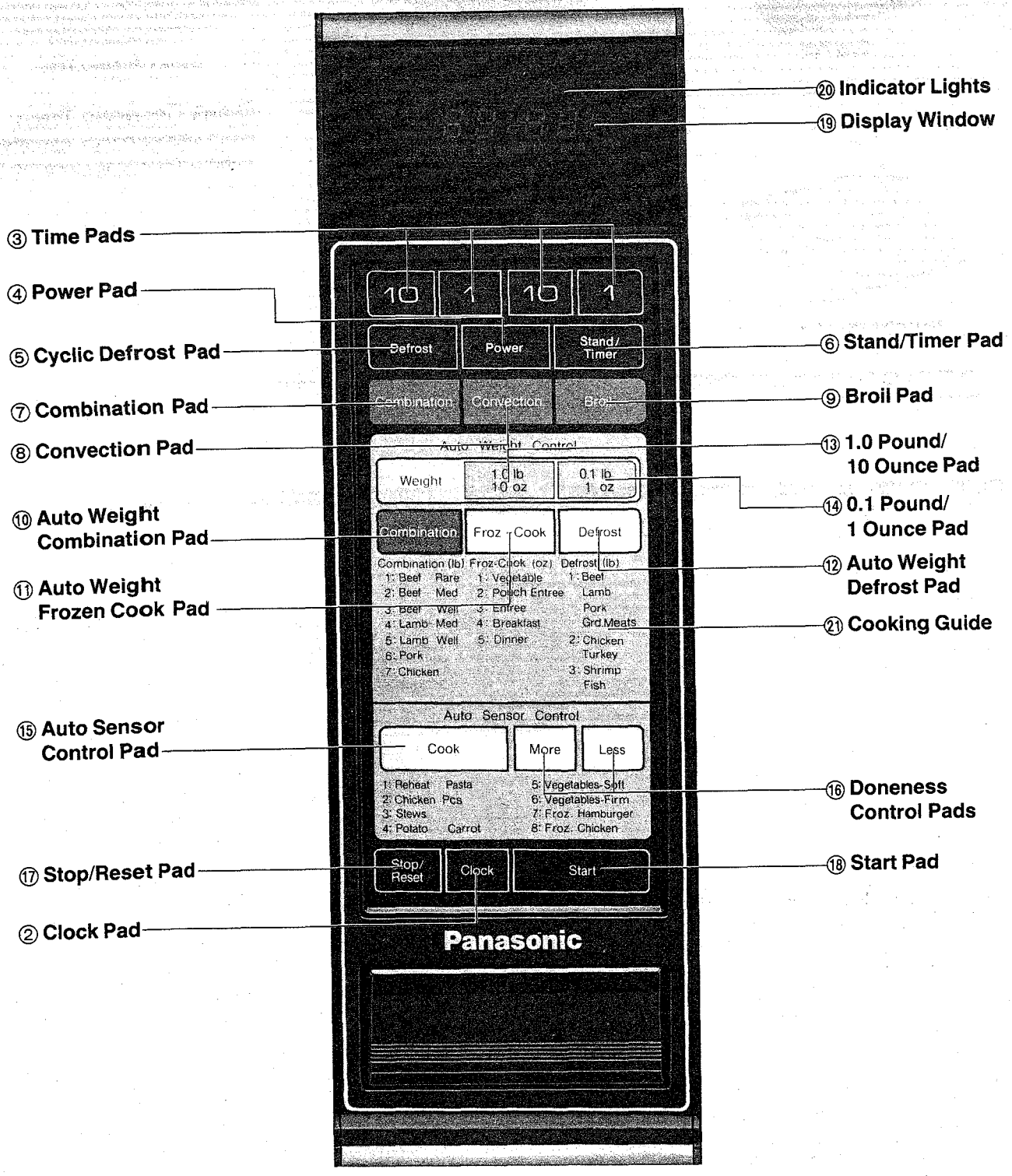
⑦ Control Panel
See page 9.

⑧ Name Plate
Contains model and serial number of your oven.

⑨ Glass Ceramic Tray
Must be placed in the oven before cooking.

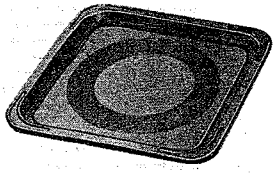
⑩ Roller Ring
Must be placed in the oven before cooking.

Control Panel

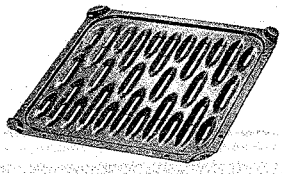


Accessories

Accessories and Use

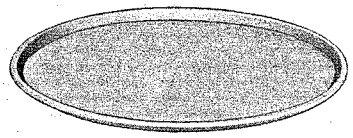


Drip Pan



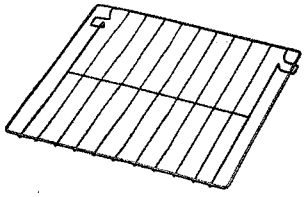
Spatter Shield

Spatter Shield:
Use with the Drip pan. Spatter Shield helps prevent spattering.



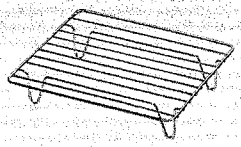
Glass Ceramic Tray

Glass Ceramic Tray:
Oven should not be operated without the Glass Ceramic Tray.



Oven Broiling Rack

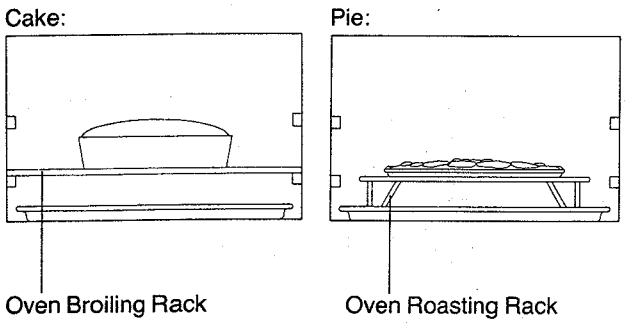
Do NOT use this rack for Combination or Microwave Cooking.



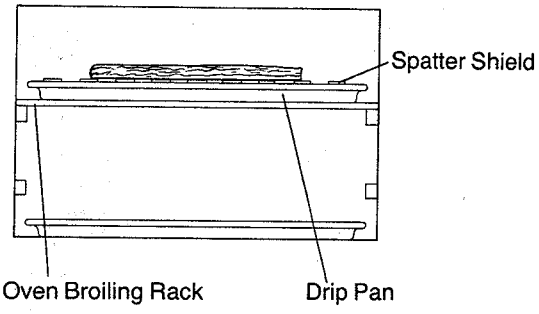
Oven Roasting Rack

Do NOT touch this rack with interior oven wall. Arcing may occur.

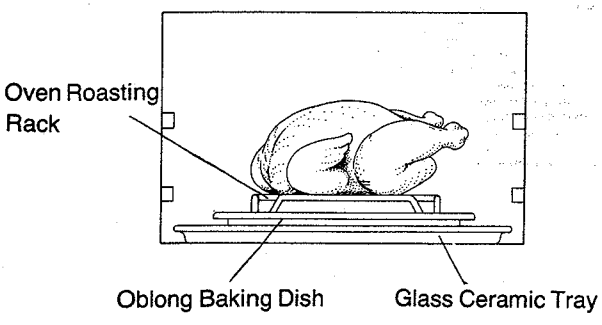
Example: For Baking Cakes and Pies (Convection Cooking)



Example: For Beef Steaks (Broiling)



Example: For Roasting Chicken (Combination Cooking)



Accessory Use Chart

The following chart is the proper way to use all accessories supplied with this oven.

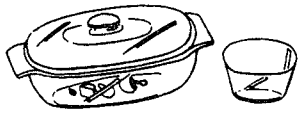
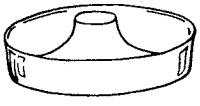
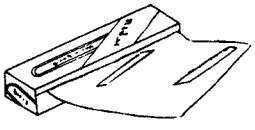
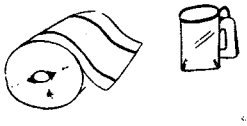
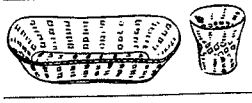
Accessories	Microwave Cooking	Convection Cooking	Combination Cooking	Broiling
Drip Pan	No	No	No	Yes
Spatter Shield	No	No	No	Yes
Glass Ceramic Tray	Yes	Yes	Yes	Yes
Oven Broiling Rack	No	Yes	No	Yes
Oven Roasting Rack*	Yes	(Yes)	Yes	No

*Except as instructed in Panasonic Cookbook.

NOTE: 1) Refer to Utensils on page 7 in this manual.
2) For more detailed instructions, read your Panasonic Cookbook.

Cooking Utensils

Following is a summary chart in which you will find the proper use of cooking utensils in your Microwave/Convection Oven.

UTENSILS	MICROWAVE	CONVECTION	COMBINATION	BROILING
 Heat-Resistant Glass (Pyrex, Corning, Fire King, etc.)	Yes	Yes	Yes	Yes, if heat-safe to 475°F.
Heat-Resistant Ceramic, China	Yes (Don't use utensils with metal trim.)	Yes	Yes	Yes, if heat-safe to 475°F.
Metal	No	Yes	No	Yes
Non Heat-Resistant Glass	No	No	No	No
 Microwave Plastics	Yes (If Convection or Combination was used prior to Microwave, allow glass ceramic tray to cool 15–20 min. before using.)	No	Yes, if heat-safe to 375°F.	No
 Plastic Films, Wraps	Yes (If Convection or Combination was used prior to Microwave, allow glass ceramic tray to cool 15–20 min. before using.)	No	No	No
 Paper Products	Yes (If Convection or Combination was used prior to Microwave, allow glass ceramic tray to cool 15–20 min. before using.)	No	No	No
 Straw, Wicker and Wood	Yes	No	No	No

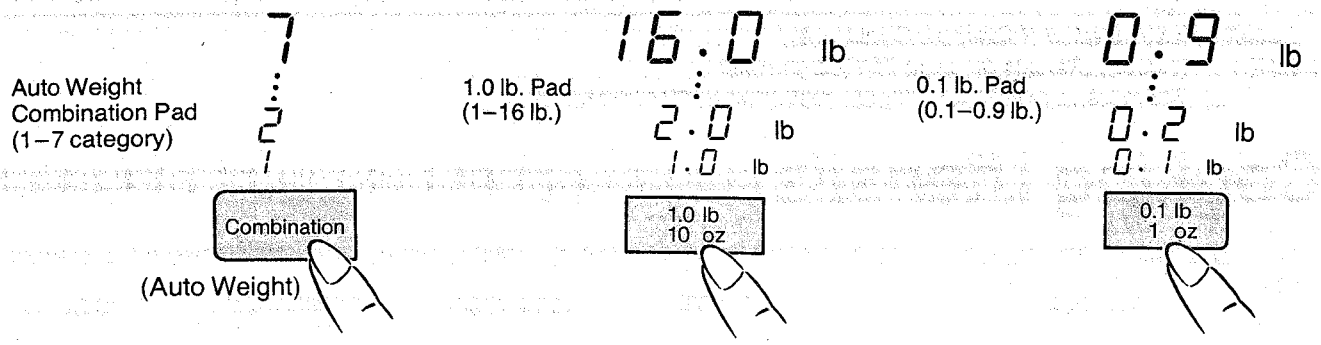
NOTE: FOR MORE INSTRUCTIONS ON THE PROPER USE OF UTENSILS IN YOUR OVEN, PLEASE READ THE INTRODUCTION SECTION IN THE PANASONIC COOKBOOK.

Controls

❶ Auto Count Up:

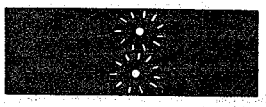
The Time, Power, Combination, Convection, Broil, Auto Sensor, Auto Weight Defrost Category, Auto Weight Combination Cook Category, Auto Weight Frozen Cook Category, 1.0 lb./10 oz., and 0.1 lb./1 oz. pads are all equipped with the Auto Count Up feature. By holding your finger on the pad, the readout in the display window will count up. After reaching the maximum function, the display will return to the starting point and continue to count up. To stop the readout simply remove your finger from the pad.

Example: Auto Weight Combination Pad, 1.0 lb./10 oz. Pad, 0.1 lb./1 oz. Pad



❷ Clock Pad:

When oven is first plugged in, the colon in the display window will blink.

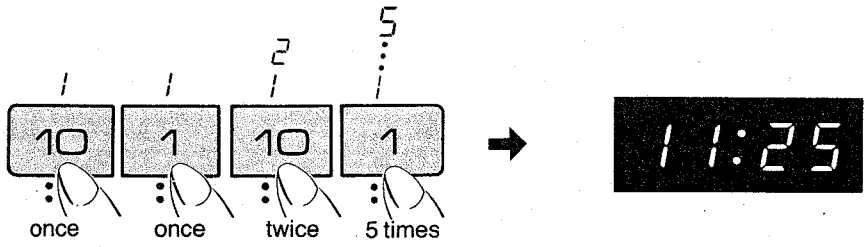


To set clock

Step 1. Enter time of day by pressing appropriate Time Pads.

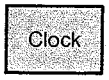
►Time appears in display window; colon is blinking.

Example: To set 11:25 (a.m. or p.m.),
Touch Time Pads from left to right as follows:



Step 2. Touch Clock Pad.

►Colon stops blinking; time of day is entered and locked into display.

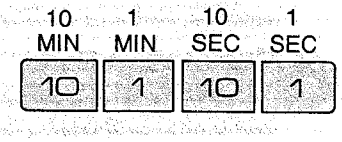


NOTES ON CLOCK SETTING

1. Clock must be set before oven will operate.
2. To reset time of day touch Clock Pad twice to clear the time. Colon will begin to blink. Enter the correct time of day by following the above procedures.
3. The clock will keep the time of day as long as oven is plugged in and electricity is supplied.

❸ Time Pads:

1. Basic Time Setting—Broil, Stand/Timer and All Microwave power levels except LOW.



The Pads serve as a 10 minute pad, 1 minute pad, 10 second pad and 1 second pad from the left, and can be programmed up to 99 minutes 99 seconds.

Example 1: To set 13 minutes 45 seconds

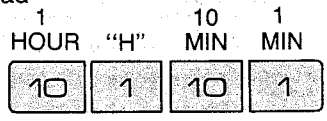
Touch:
10 MIN Pad: once
1 MIN Pad: 3 times
10 SEC Pad: 4 times
1 SEC Pad: 5 times

Example 2: To set 30 seconds

Touch:
10 SEC Pad: 3 times

2. LOW Microwave power, Combination and Convection

The Pads serve as a 1 hour pad, an inoperable pad, 10 minute pad and 1 minute pad from the left, and can be programmed up to 9 hours 99 minutes.



Example 1: To set 2 hours 25 minutes

Touch;
1 HOUR Pad: twice
10 MIN Pad: twice
1 MIN Pad: 5 times

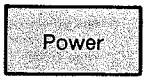
Example 2: To set 45 minutes

Touch;
10 MIN Pad: 4 times
1 MIN Pad: 5 times

Note: When LOW Microwave power, Combination and Convection are programmed for 1 hour or longer, the time in the display window counts down minute by minute. When less than 59 minutes (59 00) remain, the time counts down second by second.

❹ Power Pad:

Automatically counts down from High to Warm by holding your finger on the Pad. The following is the approximate wattage for each power level.



HIGH power	(700 watts/Full power)	M. LOW power	(360 watts/50% power)
M. HIGH power	(650 watts/90% power)	LOW power	(200 watts/30% power)
MEDIUM power	(490 watts/70% power)	WARM power	(70 watts/10% power)

❺ Cyclic Defrost Pad:

When DEFROST is selected, the automatic cycle divides the defrosting time into 8 periods which alternate between defrost and stand. The wattage of DEFROST power is approximate 245 watts/35% power.

Note: When oven is operating at DEFROST power, DEF indicator light blinks. The light remains on, but does not blink during built-in stand time.

❻ Stand/Timer Pad:

This feature allows you to program a Stand Time after cooking is complete. This pad can also be used to program the oven as a minute timer.

❼ Combination Pad:

Combination

Automatically counts-up for the desired Combination setting. There are 4 Combination settings. Refer to the Panasonic Cookbook for proper use.

❽ Convection Pad:

Convection

Automatically counts-up in 25°F. increments from 200°F. to 475°F. Touching Convection pad during preheating or cooking shows the temperature you programmed in display window.

Auto Preheat (Convection):

Automatically preheats the oven to the desired convection oven temperature. Set oven temperature and touch the Start Pad. "P" appears in display window. When oven is preheated, three beeps will sound and "P" will begin to blink in display window.

If oven door is not opened after preheating, oven will maintain the selected temperature for 30 minutes. After 30 minutes, the oven will shut off automatically.

❾ Broil Pad:

Broil

Automatically counts-up for the desired Broil Setting. There are 2 Broil settings. Refer to the Panasonic Cookbook for proper use.

Auto Preheat (Broil):

Automatically preheats the oven. Press Broil Pad to select the setting 1 or 2, and touch the Start Pad. "P" appears in display window. When oven is preheated, three beeps will sound and "P" will begin to blink in display window.

❿ Auto Weight Combination Pad:

Combination

(Auto Weight)

This feature allows you to cook meat or poultry by weight. Choose a cook category and program the weight of the food. Weight must be programmed in pounds and tenths of a pound. For further information on Auto Weight Combination Cook, refer to Introduction in the Panasonic Cookbook.

Press this pad to select the appropriate cook category 1 through 7. Listed below are the recommended foods and maximum weight limits for each category.

Category	Food	Maximum Weight
1	Beef (Rare)	8 lb.
2	Beef (Medium)	8 lb.
3	Beef (Well)	8 lb.
4	Lamb (Medium)	6 lb.
5	Lamb (Well)	6 lb.
6	Pork-Bone-In and Boneless Loin Roast	6 lb.
7	Whole chicken, Whole turkey	16 lb.

Note: 1) The shape and size of the food will determine the maximum weight the oven can accommodate.

⓫ Auto Weight Frozen Cook Pad:

Froz-Cook

This feature allows you to cook frozen convenience foods by weight. Choose a frozen cook category and program the weight of the food. Weight must be programmed in ounces. For further information on Auto Weight Frozen Cook, refer to Introduction in the Panasonic Cookbook. Press this pad to select the appropriate cook category 1 through 5. Listed below are the recommended foods and maximum weight limits for each category.

Category	Food	Maximum Weight
1	Frozen Vegetables	32 oz.
2	Frozen Entrees in a Pouch	16 oz.
3	Frozen Entrees	32 oz.
4	Frozen Breakfasts	16 oz.
5	Frozen Dinners	32 oz.

⑫ Auto Weight Defrost Pad:

Defrost
(Auto Weight)

This feature allows you to defrost meat, poultry or seafood by weight. Choose a defrosting category and program the weight of the food. Weight must be programmed in pounds and tenths of a pound. For further information on Auto Weight Defrost, refer to Introduction in the Panasonic Cookbook.
Press this pad to select the appropriate defrosting category 1 through 3. Listed below are the recommended foods and maximum weight limits for each category.

Category	Food	Maximum Weight
1	Ground meats, Roasts, Ribs, Stew meat, Chops, Steaks, Frankfurters	8 lb.
2	Whole or split cornish hens, Whole or cut-up chicken, Whole turkey, Turkey breast	16 lb.
3	Shrimp (medium), Sea scallops, Whole fish	3 lb.

Note: The shape and size of the food will determine the maximum weight the oven can accommodate.

⑬ 1.0 Pound/10 Ounce Pad:

1.0 lb
10 oz

Press this pad to program the weight of your food by whole pounds or by 10 ounces. For Auto Weight Combination Cook and Auto Weight Defrost this pad is used in the pound capacity. For Auto Weight Frozen Cook, this pad is used in the 10 ounce capacity. An Auto Weight feature must be selected before putting in the weight of the food.

⑭ 0.1 Pound/1 Ounce Pad:

0.1 lb
1 oz

Press this pad to program the weight of your food by tenths of a pound or by ounces. To convert ounces into tenths of a pound, see conversion chart in the Introduction of the Panasonic Cookbook. For Auto Weight Combination Cook and Auto Weight Defrost this pad is used in the tenths of a pound capacity. For Auto Weight Frozen Cook this pad is used in the single ounce capacity. An Auto Weight feature must be selected before putting in the weight of the food.

⑮ Auto Sensor Control Pads:

Cook

Press desired control pad designated for your food.
The appropriate food categories for each Auto Sensor Cycle are as follows. For further information, refer to Introduction and Auto Sensor recipes in the Panasonic Cookbook.

CYCLE	FOOD	CYCLE	FOOD
A1	Canned Foods, Leftovers, Noodles	A5	Beans, Cauliflower, Peas
A2	Chicken Pieces	A6	Fish, Broccoli
A3	Stews	A7	Frozen Hamburgers
A4	Potato, Carrot	A8	Frozen Chicken Pieces

⑯ Doneness Control Pads:

Preferences for food doneness vary with each individual. After having used the Auto Sensor Cycles a few times, you may decide you would prefer your food cooked to a different doneness. By using the Doneness Control, the Auto Sensor programs can be adjusted to cook food for a longer or shorter time.

Note: If you are satisfied with the result of cooking with the built-in Auto Sensor program, you do not need to use these pads.

More Pad:
Use when you want your food to be cooked a little more than the built-in auto program.

Less Pad:
Use when you want your food to be cooked a little less than the built-in auto program.

⑰ Stop/Reset Pad:

Before cooking: One tap clears your instructions.
During cooking: One tap temporarily stops the cooking process. Another tap cancels all your instructions and time of day appears in display window.

⑱ Start Pad:

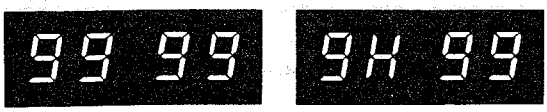
One tap allows oven to begin functioning. If door is opened or Stop/Reset Pad is tapped once during oven operation, Start Pad must be touched again to restart oven.

⑲ Display Window:

Displays time of day before or after cooking, time during cooking, weight, cooking functions, and power levels.

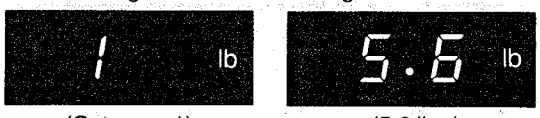
Digital Readout Display:

Time



(99 min. 99 sec./9 hr. 99 min.)

Auto Weight Defrost/Auto Weight Combination



(Category 1) (5.6 lbs.)

⑳ Indicator Lights:

An indicator light will turn on when a specific power level and/or the following functions are selected: AUTO WEIGHT DEF, AUTO WEIGHT FROZ COOK, AUTO WEIGHT COMB, CONV, COMB, BROIL, AUTO COOK and DEF.

㉑ Cooking Guide:

Easy reference for Auto Weight Combination, Cook, Auto Weight Frozen Cook, Auto Weight Defrost and Auto Sensor.

㉒ Opening Door:

Opening the door during cooking will stop the cooking process without canceling the program. Cooking resumes as soon as the door is closed and Start Pad is touched. The oven light will stay on or turn on whenever the door is opened.

㉓ Beep Sound:

When a pad is touched correctly, a beep will be heard. If a pad is touched and no beep is heard, the unit has not or cannot accept the instruction. The oven will beep twice between programmed stages. During Auto Weight Defrost, oven will beep twice two times during total defrosting time. These beeps are a signal to turn, rotate or manipulate food. At the end of preheat, the oven will beep 3 times. At the end of any complete program, the oven will beep 5 times.

Summarized Directions

Microwave Operation

Auto Sensor Cooking:

	Cook
Step 1 Step 2	Set Auto Sensor Cycle (A1–A8). Touch Start Pad.

Time Cooking:

	One-Stage Cooking	Two-Stage Cooking	Three-Stage Cooking
Step 1 Step 2 Step 3 Step 4 Step 5 Step 6 Step 7	Set Power. Set Time. Touch Start pad.	Set first Power. Set first Time. Set second Power. Set second Time. Touch Start Pad.	Set first Power. Set first Time. Set second Power. Set second Time. Set third Power. Set third Time. Touch Start Pad.
	Defrost Cycle	Defrost-to-Cook Cycle	Defrost-to-Two Stage Cook Cycle
Step 1 Step 2 Step 3 Step 4 Step 5 Step 6 Step 7	Touch Defrost Pad. Set Time. Touch Start Pad.	Touch Defrost Pad. Set Time. Set second Power. Set second Time. Touch Start Pad.	Touch Defrost Pad. Set Time. Set second Power. Set second Time. Set third Power. Set third Time. Touch Start Pad.

Convection Operation

Auto Preheat		Time Cooking	
Step 1 Step 2 Step 3 Step 4 Step 5	Set desired Oven Temp. Touch Start Pad. When unit is preheated, place food in oven. Set Time. Touch Start Pad.	Step 1 Step 2 Step 3	Set Oven Temp. Set Time. Touch Start Pad.

Broil Operation

Auto Preheat		Time Cooking	
Step 1 Step 2 Step 3 Step 4 Step 5	Set Broil Category (1 or 2) Touch Start Pad. When unit is preheated, place food in oven. Set Time. Touch Start Pad.	Step 1 Step 2 Step 3	Set Broil Category (1 or 2). Set Time. Touch Start Pad.

Combination Operation

Auto Weight Combination

Combination Cooking

Auto Weight Combination Cook		Combination Cooking	
Step 1 Step 2 Step 3	Set Auto Combination Cycle (C1–C7). Set Weight. Touch Start Pad.	Step 1 Step 2 Step 3	Set Combination Setting 1–4. Set Time. Touch Start Pad.

Microwave

Microwave cooking lets you defrost foods quickly, prepare delicious stews, savory casseroles, and vegetables that come out tender and colorful. It's also an ideal and easy way to reheat leftovers that taste as though they were freshly prepared.

Note: 1) See cooking utensils section in your Panasonic Cookbook or page 11 or this manual.
2) Do not use recycled paper products in the oven. They may contain impurities which could cause the paper to create sparking (arcing) and this could result in a fire during oven operation.
3) Do not operate oven empty.

Auto Sensor Cooking

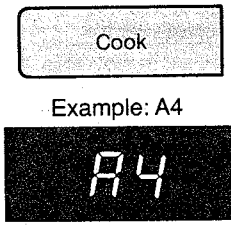
Auto Sensor Cooking allows you to cook most of your favorite foods without having to select cooking times and powers. The oven does it all automatically.

For proper cooking results on Auto Sensor cycles, be sure to cover foods securely with plastic wrap or place foods in a microwavesafe casserole dish with a proper fitting lid.

For further information refer to the Introduction in the Panasonic Cookbook and Auto Sensor recipes.

Step 1

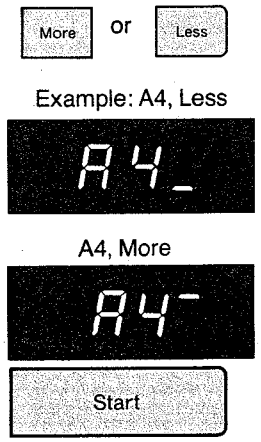
Press the Auto Sensor Cook Pad until the desired Auto Cycle number (A1–A8) appears in display window.



▶Clock time disappears. The selected Auto Sensor Cycle number appears in display window. The AUTO COOK indicator lights also appear in display window.

If Desired

Touch More Pad or Less Pad for the doneness of your food.



▶Selected doneness symbol appears in display window.
Note: Doneness Control can not be used with A1 cycle.

Step 2

Touch Start Pad.

After Oven Starts:

▶MICROWAVE ACTIVITY STARTS. The COOK indicator light starts to blink. The AUTO indicator light stays on. The turntable rotates. Oven light turns on.

▶WHEN AUTO SENSOR CYCLE (A2 THROUGH A8) DISAPPEARS FROM DISPLAY WINDOW, the oven beeps twice. The remaining cooking time appears in display window and begins to count down. The COOK indicator light continues to blink. The AUTO indicator light stays on. (If doneness selection was made, its symbol disappears.)
Note: On cook A1, no time will appear in display window. The COOK indicator light stops blinking and oven beeps 5 times. The cooking cycle is complete.

▶WHEN AUTO SENSOR COOK CYCLE IS COMPLETED, the oven beeps 5 times and shuts off. Indicator and oven lights turn off. The turntable stops rotating. The time of day reappears in display window.

Microwave

NOTES ON AUTO SENSOR COOKING:

The Auto Sensor system works by detecting a build-up of steam on the humidity sensor. As foods cook in the microwave, steam is produced. When foods are covered, the steam will build up and escape from the dish in a burst. This burst of steam is detected by the humidity sensor and then the oven automatically calculates the remaining cooking time.

When an Auto Sensor Cycle is selected, Cook A1 through A8 will appear in the display window. The oven door should not be opened for longer than one minute when Cook A1 through A8 appears in the display window. Opening the door may cause inaccurate cooking results. Once the steam is detected, the remaining cooking time immediately appears in the display window and begins to count down. At this time, the oven door may be opened, to stir, turn or add foods. On Cook A1, no time will appear in display window.

- Auto Sensor Cooking is successful with the foods and recipes found in the cookbook and marked with the Symbol [A]. Because of the vast differences in food composition, recipes and charts without the Auto Sensor symbol should be prepared in your microwave oven using the Power and Time features.
- When cooking by Auto Sensor, the oven door should not be opened for longer than 1 minute while Cook A1–A8 is in display window. Opening the door for longer than 1 minute may cause inaccurate cooking results. Once time appears in display window, the door may be opened and foods can be stirred or turned.
- All foods for Auto Sensor Cooking are taken from their normal storage place.
- Before using Auto Sensor feature, make sure glass ceramic turntable in the oven is dry to assure best Auto Sensor Cooking results.
- Room temperature of heat surrounding the oven should not be above 95°F when using Auto Sensor Cooking feature. Inaccurate cooking may result.
- Foods less than 3 or 4 ounces should be cooked by Power and Time features, not by the Auto Sensor Cooking Cycle. The appropriate food categories for each Auto Sensor Cycle are as follows. For further information, refer to Introduction and Auto Sensor recipes in the Panasonic Cookbook.

CYCLE	FOOD	CYCLE	FOOD
A1	Canned Foods, Leftovers, Noodles	A5	Beans, Cauliflower, Peas
A2	Chicken Pieces	A6	Fish, Broccoli
A3	Stews	A7	Frozen Hamburgers
A4	Potato, Carrot	A8	Frozen Chicken Pieces

- When the remaining cooking time is over 60 minutes the time will appear as hours and minutes.

Example: If the cooking time is 94 minutes, display window will show 1H34. The seconds will not visibly count down in display window until 59 minutes remain. The time in display window will then show in minutes and seconds, and count down in seconds.

- Preferences for food doneness vary with each individual.

After having used the Auto Sensor Cycles a few times, you may decide you would prefer your food cooked to a different doneness. By using the Doneness Control Pads, the Auto Sensor programs can be adjusted to cook food for a longer or shorter time.

Note: *If you are satisfied with the result of cooking with the built-in Auto Sensor program, you do not need to use these pads.

*Doneness Control Pads can be used with Cook A2–A8 cycles.

- You may program a desired power level and/or stand time after Auto Sensor programs Cook A1 through A8.

Examples are:

First Stage	Second Stage
Auto Sensor Cook, A3 Auto Sensor Cook, A5	Stand, 5 minutes WARM, 20 minutes

- If Auto Sensor Cooking is programmed a short time after Convection, Broil or Combination Cooking, "HOT" will appear in display window. The HOT sign indicates that the oven cavity is too hot for the proper operation of the Auto Sensor Function. While the HOT sign is in display window, the unit cannot be operated by Auto Sensor, and room temperature air is circulated in the oven cavity to cool it. You may leave the door ajar to cool the unit. After the unit is cooled, the oven beeps 5 times and time of day appears in display window. Auto Sensor cycles can now be programmed.

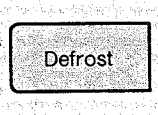
Microwave

Time Cooking

Cyclic Defrost

Step 1

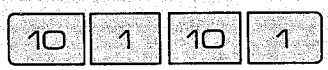
Touch Cyclic Defrost Pad.



▶Clock time disappears. DEF indicator light turns on.

Step 2

Set defrost time by pressing Time Pads.



▶Defrost time appears in display window in minutes and seconds.

Step 3

Touch Start Pad.

After Oven Starts:

▶MICROWAVE DEFROSTING BEGINS. Turntable rotates. Oven light turns on. DEF indicator light begins to alternately blink and glow. Defrosting time counts down second by second.

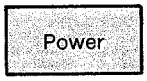
▶WHEN DEFROSTING IS COMPLETED, oven beeps five times and shuts off. Turntable stops rotating. DEF indicator light and oven light turn off. Time of day appears in display window.

Note: Two more stages can be programmed after Cyclic Defrost.

One Stage Cooking

Step 1

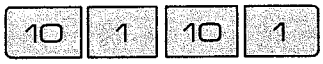
Select cooking power by pressing Power Pad.



▶Clock time disappears. Selected power indicator light turns on.

Step 2

Set cooking time by pressing Time Pads.



▶Cooking time appears in display window in minutes and seconds.

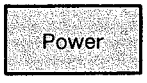
[Step 3. Touch Start Pad.]

OR

Two Stage Cooking

Step 3

Before touching Start Pad, select second cooking power by pressing Power Pad.



▶Previously selected time and power indicator light disappear from display window. Second stage power indicator light turns on.

Step 4

Set second stage cooking time by pressing Time Pads.

▶Second stage cooking time appears in display window.

[Step 5. Touch Start Pad.]

OR

Microwave

Three Stage Cooking

Step 5

Before touching Start Pad, select third stage cooking power by pressing Power Pad.

Power

▶Previously selected time and power indicator light disappear from display window. Third stage power indicator light turns on.

Step 6

Set third stage cooking time by pressing Time Pads.

10 1 10 1

▶Third stage cooking time appears in display window.

Step 7

Touch Start Pad.

Start

After Oven Starts:

▶MICROWAVE COOKING BEGINS. Turntable rotates. Third stage cooking time disappears and first stage cooking time reappears in the display window and begins to count down. First stage power indicator light turns on and starts to blink. Second stage power indicator light turns on. Third stage power indicator light remains on.

▶WHEN THE FIRST STAGE COOKING TIME HAS ELAPSED, a beep sounds twice. Second stage cooking time reappears in the display window and begins to count down. First stage power indicator light turns off. Second stage power indicator light starts to blink. Third stage power indicator light remains on.

▶WHEN THE SECOND STAGE COOKING TIME HAS ELAPSED, a beep sounds twice. Third stage cooking time reappears in the display window and begins to count down. Second stage power indicator light turns off. Third stage power indicator light starts to blink.

▶WHEN THE THIRD STAGE COOKING TIME HAS ELAPSED, five beeps are heard and oven turns off. Third stage power indicator light turns off. Oven light turns off and turntable stops rotating. Time of day reappears in the display window.

NOTES ON TIME AND POWER COOKING:

1. When LOW power is programmed "H" meaning Hour appears in the display window. Cooking time can only be programmed in hours and minutes.

2. When LOW power is programmed for 1 hour or longer, the time will count down minute by minute. When less than 59 minutes (59 00) remain, the time will count down second by second.

3. Examples of 2 and 3 stage programmed cooking are:

First Stage	Second Stage	Third Stage
HIGH, 8 minutes →	Stand, 3 minutes	
HIGH, 9 minutes →	MEDIUM-LOW, 20 minutes	
HIGH, 6 minutes →	MEDIUM, 24 minutes →	WARM, 15 minutes
HIGH, 10 minutes →	MEDIUM, 20 minutes →	Stand 5 minutes
MEDIUM-LOW, 20 minutes →	HIGH, 10 minutes →	LOW, 50 minutes

Microwave

Auto Weight Frozen Cook

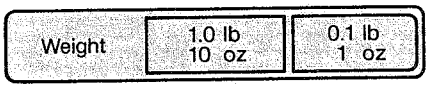
Step 1

Press Auto Weight Frozen Cook Category Pad to select Froz-Cook Category 1 through 5.

▶Clock time disappears. The selected category number appears in display window. AUTO WEIGHT FROZ COOK and ounces (oz) indicator light turns on.

Step 2

Set the weight of your frozen food in ounces by pressing 1.0 Pound/ 10 Ounce Pad and/or 0.1 Pound/ 1 Ounce Pad.



▶Category number disappears and the weight selected appears in display window.

Step 3

Touch Start Pad.

After Oven Starts:

▶MICROWAVE COOKING BEGINS. Turntable rotates. Oven light turns on. FROZ COOK light begins to blink. AUTO WEIGHT indicator light stays on. Weight and ounce indicator in display disappear. Cooking time appears and counts down second by second.

▶WHEN COOKING IS COMPLETED, oven beeps five times and shuts off. Turntable stops rotating. The indicator light and oven light turn off. Time of day appears in display window.

NOTES ON AUTO WEIGHT FROZEN COOK:

1. Categories for Auto Weight Frozen Cook are:

Category	Food	Maximum Weight
1	Frozen Vegetables	32 oz.
2	Frozen Entrees in a Pouch	16 oz.
3	Frozen Entrees	32 oz.
4	Frozen Breakfasts	16 oz.
5	Frozen Dinners	32 oz.

2. Stand or a power level can be programmed after Auto Weight Frozen Cook.
   For example: Auto Weight Frozen Cook→WARM power.
3. For further information on Auto Weight Frozen Cook refer to Introduction in the Panasonic Cookbook.

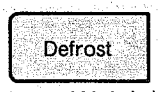
Note: The shape and size of the food will determine the maximum weight the oven can accommodate.

Microwave

Auto Weight Defrost

Step 1

Press Auto Weight Defrost Pad to select Defrost Category 1 through 3.

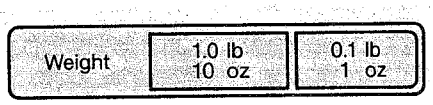


(Auto Weight)

▶Clock time disappears. The selected category number appears in the display window. AUTO WEIGHT DEF and pounds (lb) indicator light turns on.

Step 2

Set the Weight of your meat in pounds and tenths of a pound by pressing
1.0 Pound/10 Ounce Pad and/or
0.1 Pound/1 Ounce Pad.



▶Category number disappears and the weight selected appears in display window.

Step 3

Touch Start Pad.

After Oven Starts:

▶MICROWAVE DEFROSTING BEGINS. Turntable rotates. Oven light turns on. DEF light begins to blink. AUTO WEIGHT indicator light stays on. Weight and pound indicator in display disappear. Defrosting time appears and counts down second by second.

▶WHEN DEFROSTING IS COMPLETED, oven beeps five times and shuts off. Turntable stops. The indicator light and oven light turn off. Time of day appears in display window.

▶During AUTO WEIGHT DEFROST, oven will beep twice two times during total defrosting time. These beeps are a signal to turn, rotate or manipulate food.

NOTES ON AUTO WEIGHT DEFROST:

1. Categories for Auto Weight Defrost are:

Category	Food	Maximum Weight
1	Ground meats, Roasts, Ribs, Stew meat, Chops, Steaks, Frankfurters	8 lb.
2	Whole or split cornish hens, Whole or cut-up chicken, Whole turkey, Turkey breast	16 lb.
3	Shrimp (medium), Sea scallops, Whole fish	3 lb.

2. Stand time or power level may be programmed after Auto Weight Defrost.
3. For further information on Auto Weight Defrost refer to Introduction in the Panasonic Cookbook.

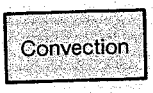
Note: The shape and size of the food will determine the maximum weight the oven can accommodate.

Convection

For information on cooking utensils, see the Introduction of the Panasonic Cookbook and page 11 of this manual.

Auto Preheating

For your convenience, this oven is equipped with Auto Preheating feature so that you don't have to set preheating time or reset oven temperature after preheating for cooking.
Preheat when indicated in recipes and charts.
CAUTION: DO NOT open door during preheating.

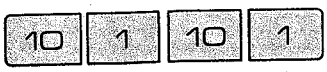


Step 1. Press Convection Pad for desired oven temperature.
—Clock time disappears. CONV indicator light turns on. Selected oven temperature appears in display window.

Step 2. Touch Start Pad.
—Oven light turns on. Turntable begins to rotate. Preheating starts and CONV indicator light begins to blink. "P" for "PREHEATING" appears and remains in display window.
—When preheating is completed, oven beeps three times.
Oven light stays on and turntable continues to rotate. CONV indicator light and "P" for "PREHEATING" begin to blink.

Note: 1) After completion of preheating, be sure to open oven door and place food inside oven.
If oven door is not opened after preheating, oven will maintain the selected temperature for 30 minutes. After 30 minutes, oven will shut off automatically.
2) Oven should be preheated with the Glass Ceramic Tray in place.
3) For more detailed information on when to preheat, refer to your Panasonic Cookbook.

Time Cooking



1 HOUR "H" 10 MIN 1 MIN

Step 1. After Auto Preheating, set cooking time by pressing appropriate time Pad.
—"P" disappears and cooking time appears in display window.
OR If preheating is not required, place food inside oven. Press Convection Pad for desired oven temperature. Set cooking time by pressing Time Pads.

Step 2. Touch Start Pad.
—Oven light turns on. Convection cooking begins and CONV indicator light begins to blink. Turntable begins to rotate. Cooking time counts down.

Note: 1) When selected cooking time is less than one hour, time counts down second by second.
2) When selected cooking time is over one hour, time counts down minute by minute until only "59 00" (59 minutes) remain. Display then indicates minutes and seconds and counts down second by second.
—When cooking is completed, oven beeps five times and shuts off automatically. Turntable stops. CONV indicator light and oven light turn off. Time of day appears in display window.
3) For recipes that do not require preheating, convection temperature must be selected before pressing Time Pads.

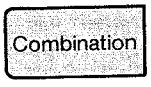
CAUTION: Door will get hot during convection cooking. Please handle door carefully.

Combination

A remarkable development in technology enables Panasonic to bring you an oven that combines the best features of both microwave and convection cooking. It cooks foods with speed and accuracy, while roasting and evenly browning them to juicy, tender perfection.

Note: 1) Do not use metal containers. For information on cooking utensils see the Introduction of the Panasonic Cookbook and page 11 of this manual.
2) Do not operate oven empty. The microwave energy will reflect continuously throughout the oven if no food or water is present to absorb the energy.

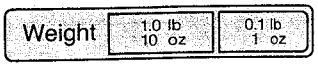
Auto Weight Combination Cooking



(Auto Weight)

Step 1. Select appropriate Auto Weight Combination Cook program by pressing Combination (Auto Weight Control) Pad.
The Combination Pad is equipped with an automatic count up feature. If the pad is pressed continuously, C1 through C7 will count up in display window.

—Clock time disappears. The AUTO indicator light, WEIGHT indicator light and COMB indicator light turn on.
The selected Auto Weight Combination Cook program, appears in display window.



Step 2. Set Weight of Food.
Selected Auto Combination program disappears and selected weight appears in display window.

Step 3. Touch Start Pad.
—Oven light turns on. Turntable begins to rotate. Combination cooking begins. COMB indicator light begins to blink while AUTO WEIGHT indicator light stays on. Selected weight disappears and cooking time appears in display window and begins to count down.
—When cooking is completed, oven beeps five times and shuts off automatically. Turntable stops. AUTO WEIGHT and COMB indicator lights turn off. Oven light turns off. Time of day appears in display window.

NOTES ON AUTO WEIGHT COMBINATION:

1. Categories for Auto Weight Combination are:

Category	Food	Maximum weight
1	Beef (Rare)	8 lb.
2	Beef (Medium)	8 lb.
3	Beef (Well)	8 lb.
4	Lamb (Medium)	6 lb.
5	Lamb (Well)	6 lb.
6	Pork-Bone-In and Boneless Loin Roast	6 lb.
7	Whole chicken or Whole turkey	16 lb.

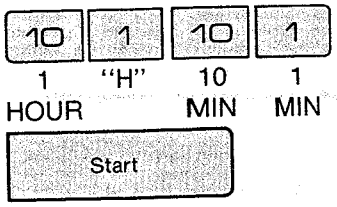
2. Stand time or a power level can be programmed after Auto Weight Combination Cook.
For example: Auto Weight Combination Cook→WARM power
3. For further information on Auto Weight Combination refer to Introduction in the Panasonic Cookbook.

Note: The shape and size of the meat will determine the maximum weight the oven can accommodate.

Combination

Time Cooking

Step 1. Select combination cooking program by pressing Combination Pad.
—Clock time disapears. COMB indicator light turns on. Selected combination cooking program appears in display window.



Step 2. Set cooking time by pressing Time Pad.
—Previously selected combination cooking program disappears. Cooking time appears in display window.

Step 3. Touch Start Pad.
—Oven light turns on. Combination cooking begins and COMB indicator light begins to blink. Turntable begins to rotate. Cooking time counts down.

Note: 1) When selected cooking time is less than one hour, time counts down second by second.
2) When selected cooking time is over one hour, time counts down minute by minute until only "59 00" (59 minutes) remain. Display then indicates minutes and seconds and counts down second by second.

—When cooking is completed, oven beeps five times and shuts off automatically. Turntable stops. COMB indicator light and oven light turn off. Time of day appears in display window.

CAUTION: Door will get hot during Auto Weight Combination Cooking and Combination Time Cooking. Please handle door carefully.

Broil

For information on cooking utensils, see the Introduction of the Panasonic Cookbook and page 11 of this manual.

Auto Preheating

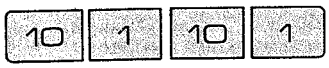
For your convenience, this oven is equipped with Auto Preheating feature so that you don't have to set preheating time or reset oven temperature after preheating for cooking.
Preheat when indicated in recipes and charts.

Step 1. Press Broil Pad for desired Broil category (1 or 2).
—Clock time disappears. Broil category (1 or 2) and BROIL indicator light turn on.
Note: Place Oven Broiling Rack in upper rack guides before you start preheating.

Step 2. Touch Start Pad.
—Oven light turns on. Turntable rotates. Auto Preheating starts and BROIL indicator blinks. "P" for "PREHEATING" appears and remains in display window.
—When preheating is completed, oven beeps three times. "P" and BROIL indicator light blink.

Note: 1) If oven door is not opened after preheating, oven will maintain the selected temperature for 30 minutes. After 30 minutes, oven will shut off automatically.
2) For more detailed information on when to preheat, refer to your Panasonic Cookbook.
3) After completion of preheating, be sure to open oven door and place food on. Broiling pan and place on oven Broiling Rack in the Oven.

Time Cooking



Step 1. After Auto Preheating, set cooking time by pressing Time Pads.
—"P" disappears and cooking time appears in display window.
OR: If preheating is not required, place food inside oven. Press Broil Pad for desired Broil category (1 or 2). Set cooking time by pressing Time Pads.

Step 2. Touch Start Pad.
— Oven light turns on. Turntable rotates. BROIL cooking begins and BROIL indicator light begins to blink.
Cooking time counts down second by second.

—When cooking is completed, oven beeps five times and shuts off automatically. Turntable stops. BROIL indicator light and oven light turn off. Clock time appears in display window.

Note: For recipes that do not require preheating, Broil category (1 or 2) must be selected before pressing Time Pads.

CAUTION: Door will get hot during Broil Cooking. Please handle door carefully.

Special Controls

Timer

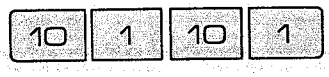
Step 1

Touch Stand/Timer Pad.

▶Clock time disappears from display window.

Step 2

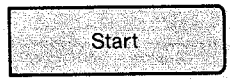
Set desired amount of time by pressing Time Pads.



▶Selected amount of time appears in display window.
(A maximum of 99 minutes and 99 seconds may be programmed.)

Step 3

Touch Start Pad.



After Oven Starts:

▶NO COOKING ACTIVITY BEGINS. Turntable does not rotate. Oven light does not turn on. Only the time displayed starts to count down.

▶WHEN PROGRAMMED TIME HAS ELAPSED, oven beeps five times. Time of day appears in display window.

Note: If oven door is opened during the timer function, the time in the display window will continue to count down.

Stand Time

Step 1

Program desired cooking program according to directions already given in this manual.

▶Selected program and indicator light appear in display window.

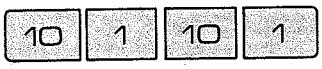
Step 2

Touch Stand/Timer Pad.

▶Previously selected program and indicator lights disappear.

Step 3

Set desired amount of time by pressing Time Pads.



▶Stand time appears in display window.
(A maximum of 99 minutes and 99 seconds may be programmed twice.)

Step 4

Touch Start Pad.

After Oven Starts:

▶DESIRED COOKING PROGRAM ACTIVITY BEGINS. Turntable rotates. Oven light turns on. Selected program appears in display window and indicator light blinks.

▶WHEN cooking is completed, turntable stops, oven beeps twice, and stand time counts down.

▶AT END OF STAND TIME, oven beeps five times and shouts off.
Time of day appears in display window.

Note: If oven door is opened during the stand time, the time in the display window will continue to count down.
Stand time cannot be programmed after Broil category is set.

Care of Your Microwave/Convection Oven

1. The interior of the oven is stainless steel. Clean with a damp sudsy cloth, rinse with well wrung out cloth. To prevent baked-on soil, clean spatters as they occur. For hard to remove soil, clean with scouring pads or a nonabrasive scouring powder such as Bon Ami® (Faultless Starch Company).

2. Wash the glass ceramic oven tray in warm sudsy water. Cool tray completely before washing. If grease accumulates or is difficult to remove, the tray may be cleaned with a nonabrasive nylon mesh scouring pad and nonabrasive cleanser such as Bon Ami®.

3. Any spatters or food soils should be wiped off the oven door while they are still warm. Use a sudsy cloth, rinse with clear water and wipe dry.

4. The outside oven surfaces should be cleaned with soap and water, rinsed, and dried with a soft cloth. To prevent damage to the operating parts inside the oven, water should not be allowed to seep into the ventilation openings.

Replacement of Oven Light

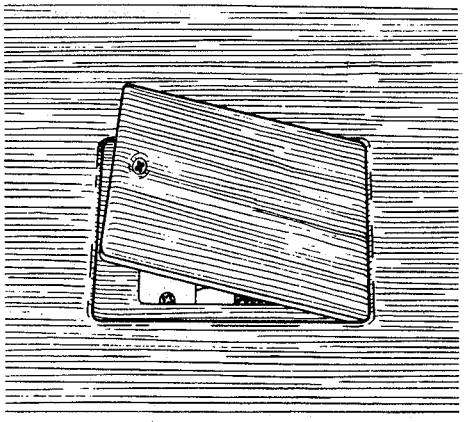
When it becomes necessary to replace the oven light, you can replace it yourself. Please follow the directions below carefully.

Step 1. Turn off the oven and unplug it.

Step 2. Remove the screw from the oven light cover which is located on the top of the cabinet.

Step 3. Replace the oven light with only 115–125 V, 20 W, bulb. If this bulb is not available locally, contact the nearest authorized MESCO Servicenter.

Step 4. Replace the oven light cover.



Questions & Answers

Q: I accidentally ran my oven on Microwave or Combination without any food in it. Is it damaged.?

A: We do not recommend operating the microwave oven without any food. However, running the oven empty for a short time will not damage the oven.

Q: Why won't my oven turn on?

A: When the oven does not turn on, check the following:

1. Is the oven plugged in securely? Remove plug from outlet, wait 10 seconds and reinsert.
2. Check circuit breaker or fuse. Reset circuit breaker or replace fuse if it is tripped or blown.
3. If the circuit breaker or fuse is all right, plug another appliance into the outlet. If the other appliance works, there probably is a problem with the oven. If the other appliance does not work, there probably is a problem with the outlet.

If it seems there is a problem with the oven, contact an authorized MESCO Servicenter.

Q: The oven light turns on and the oven is programmed correctly, but it won't turn on.

A: Check to make sure the oven door is securely closed. If that was not the problem, contact the nearest authorized MESCO Servicenter.

Q: How many stages can be programmed in my Panasonic Oven?

A: Your oven may be programmed up to three stages.

Q: Can stand time be programmed after three stage cooking?

A: No. The oven can only accept a maximum of three stages. Stand after three stage cooking would make a four stage program.

Q: Can the oven be used for Microwave or Combination cooking with the glass ceramic tray or roller ring removed?

A: No. Both the glass ceramic tray and roller ring must be positioned correctly in the oven before cooking.

Q: My oven causes interference with my TV when I am cooking on Microwave or Combination. Is this normal?

A: Some radio and TV interference might occur when you cook with the microwave oven. This interference is similar to the interference caused by small appliances such as mixers, vacuums, blow dryers, etc. It does not indicate a problem with your oven.

Q: The oven won't accept my program. Why?

A: The oven is designed not to accept incorrect program. For example, the oven will not accept a program unless clock is set first.

Q: Why does my oven light dim?

A: When cooking with a microwave power other than HIGH, the oven must cycle to obtain the lower power levels. The oven light dims and clicking noises can be heard when the oven cycles.

Q: Why does steam accumulate on the oven door?

A: During cooking, steam is given off from the food. Most of the steam is removed from the oven by the air which circulates in the oven cavity. However, some steam will condense on cooler surfaces such as the oven door. This is normal.

Q: Sometimes warm air comes from the oven vents. Why?

A: The heat given off from the cooking food warms the air in the oven cavity. This warmed air is carried out of the oven by the air flow pattern in the oven. There are no microwaves in the air. The oven vents should never be blocked during cooking.

Q: When I turn on my oven, there is noise coming from the glass ceramic tray.

A: This noise occurs when the roller ring and oven bottom are dirty. Frequent cleaning of these parts should eliminate or reduce the roise.

Q: Why does "H" appear in the display window?

A: When LOW microwave power, Combination or Convection are selected, an "H" appears in the display window to indicate the Time Pads now function in hours and minutes, instead of minutes and seconds. When programmed for one hour or longer, the time will count down minute by minute. When less than 59 minutes (59 00) remains, the time counts down second by second.

Q: Can TV dinner trays be used for microwave cooking?

A: Foil containers ¾-inch deep or less can be used to heat food by microwave. Make sure foil covers are removed from top of container. The container should not touch oven sides, arcing may occur.

Q: When can I open the door during Auto Sensor Cooking?

A: The door may be opened when the remaining cooking time appears in the display window. Opening the door for longer than one minute when the cycle number is in the display window, may cause inaccurate cooking results.

Q: How are foods covered for Auto Sensor Cooking?

A: Foods, except for potatoes or acorn squash, should always be cooked covered. Dishes with matching lids, should be covered with the lid. Otherwise, cover the dish with plastic wrap. Lay the plastic wrap over the dish and smooth down around the sides.

Q: There are humming and clicking noises from my oven when I cook by Combination. What is causing these noises?

A: The noises occur as the oven automatically switches from microwave power to convection heat to create the combination setting. This is normal.

Q: Can I check the oven temperature while cooking or preheating by Convection?

A: Yes. Touch the CONV Pad and the oven temperature will appear in the display window until you release your finger from the pad.

Q: Can I use conventional thermometer in the oven?

A: Only when you are using Convection or Broil cooking methods. The metal in some thermometers may cause arcing in your oven and should not be used on Microwave and Combination cooking methods.

Q: Can I easily prepare my favorite recipes using Convection cooking?

A: Yes. You can prepare your favorite recipe according to conventional cooking methods. Then check in instructions in the Panasonic Cookbook for suggested oven temperatures and cooking times.

Q: How do I check for doneness?

A: Consult your cookbooks for suggested doneness tests. A few tests are:

- A cake should pull away from the sides of the pan.
- A toothpick or cake tester should be clean when removed from the center of a cake.
- Cookies, pies, and cream puffs should be golden brown.
- Meat is fork tender.
- Poultry juices are clear yellow, and the drumstick moves freely.

What to Do When Service is Needed

If your Panasonic microwave oven needs service, look in the yellow pages of the telephone book under "Home Appliance Service" for your nearest Matsushita Engineering and Service Company ("MESCO") factory Servicenter, or MESCO authorized Servicenter, or call 800-447-4700, toll free to find a convenient servicenter. *Do NOT send the product to the Executive or Regional Sales offices. They are NOT equipped to make repairs.*

For your protection

Complete and immediately mail the Purchase Information Card so that we may contact you directly in the event a safety notification is issued in accordance with the 1972 Consumer Product Safety Act, or for other reasons Panasonic may deem necessary. Also, we ask that you complete the questionnaire so we may analyze your comments and, in this way, help us evaluate customer needs.

Convertible 50 Hz/60 Hz

THIS OVEN IS EQUIPPED WITH AN AUTO FREQUENCY SELECTION SYSTEM. This means the oven can be used in both 50 Hz or 60 Hz areas when plugged into a standard 120 volt AC grounded outlet. The oven will automatically monitor the frequency and adjust the oven for 50 Hz or 60 Hz. Do not use this oven with a 220/240 outlet without a step-down transformer. Using the oven with the incorrect voltage is dangerous and may result in a fire or other type of damage to the oven.

Technical Specifications

Power Source:	120 V, 50/60 Hz, 15.0 Amps, AC only
Power Consumption:	1,420 W: (12.4A): Microwave 1,560 W: (13A): Conv/Comb
Output:	700 W: Full Microwave Power 1.5 KW: Heater
Outside Dimensions:	23⅞" (W)×17" (D)×15¾" (H) 607 mm (W)×432 mm (D)× 400 mm (H)
Oven Cavity Dimensions:	16" (W)×15 9/16" (D)×9¾" (H) 406 mm (W)×395 mm (D)× 250 mm (H)
Operating Frequency:	2,450 MHz
Timer:	99 min. 99 sec./9 hr. 99 min.
Uncrated Weight:	81 lbs. (36.5 kg)
Shipping Weight:	85 lbs. (38.5 kg)

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